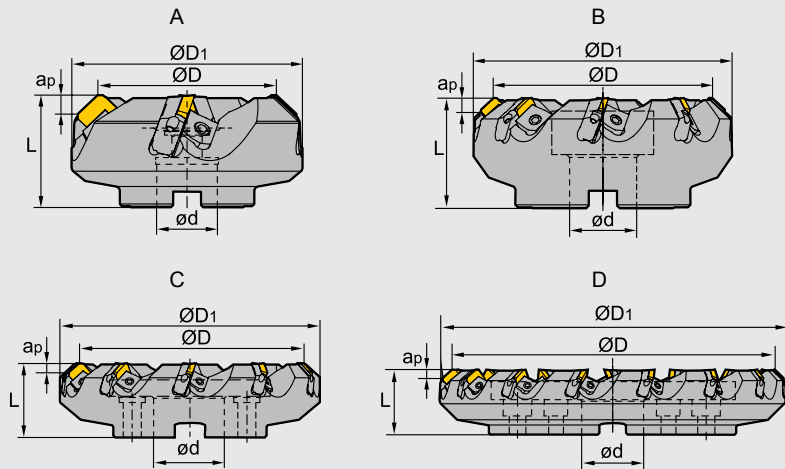


Face Milling Tools · Planfräser

Kr:45°



FMA03 P M K



Specification of tools · Werkzeug Beschreibung

Type Typ	Stock Lager	Dimension (mm) Abmessung						No. of teeth Zähne	Coupling Aufnahme	Weight Gewicht (kg)	
		R	L	Ø D	Ø D ₁	Ø d	L				ap _{max}
FMA03											
-080-A27-SE12-04	○ ○			80	103	27	50	5.5	4	A	1.8
-100-B32-SE12-05	○ ○			100	122	32	50	5.5	5	B	2.4
-125-B40-SE12-06	○ ○			125	147	40	63	5.5	6	B	4.4
-160-B40-SE12-08	○ ○			160	181	40	63	5.5	8	B	6.4
-200-C60-SE12-10	○ ○			200	221	60	63	5.5	10	C	8.5
-250-C60-SE12-12	○ ○			250	270	60	63	5.5	12	C	14.1
-315-D60-SE12-15	○ ○			315	353	60	63	5.5	15	D	22.2
-080-A27-SE15-04	○ ○			80	103	27	50	7.5	4	A	1.7
-100-B32-SE15-05	○ ○			100	122	32	50	7.5	5	B	2.3
-125-B40-SE15-06	○ ○			125	147	40	63	7.5	6	B	4.2
-160-B40-SE15-08	○ ○			160	181	40	63	7.5	8	B	6.1
-200-C60-SE15-10	○ ○			200	221	60	63	7.5	10	C	8.3
-250-C60-SE15-12	○ ○			250	270	60	63	7.5	12	C	13.6
-315-D60-SE15-15	○ ○			315	353	60	63	7.5	15	D	21.8

Spare Parts · Ersatzteile

Diameter Durchmesser Ø D	Insert Platte	Cassette Kassette	Wedge Keil	Wedge screw Keilschraube	Locator screw Schraube	Wrench Schlüssel
Ø80-Ø315	SE12	LSE12R/L	W01R/L	DM8×21X	LOM5×15.1	WT20T WH40T
Ø80-Ø315	SE15	LSE15R/L				

● Ex Stock / ab Lager ○ On demand / auf Anfrage

Applicable tool B11-B18
Werkzeug

Tools code key B26-B27
Werkzeug ISO

Grade selection guide B19-B23
Sortenauswahl

Technical data B215-B220
Technische Daten

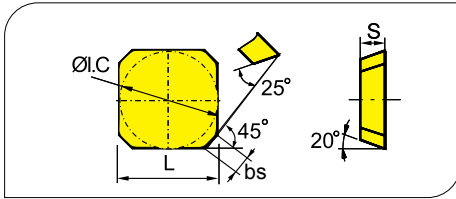
B

Milling Tools
Fräser

Milling · Fräsen

Indexable Milling · Fräswendeplatten

Applicable inserts · Wendschneidplatten



- Ideal Machining Condition / Gute Bearbeitungsbedingungen
- Normal Machining Condition / Normale Bearbeitungsbedingungen
- Unfavorable Machining Condition / Ungünstige Bearbeitungsbedingungen

Workpiece Material / Werkstoffe	P	M	K	N	S
Steel / Stahl	●	●	●	●	●
Stainless Steel / Rostfreier Stahl	●	●	●	●	●
Cast iron / Gusseisen	●	●	●	●	●
Non-ferrous material / Ne Metalle	●	●	●	●	●
Heat-resistant steel / Warmfester Stahl	●	●	●	●	●

Insert shape / Plattenform	Type / Typ	Dimension (mm) / Abmessung				CVD Coating / CVD Beschicht.						PVD Coating / PVD Beschicht.				Cermet / Cermet	Carbide uncoat. / unbe. Hartmetall								
		L	I.C	S	bs	YBC301	YBC302	YBC401	YBM251	YBM253	YBM351	YBD152	YBD252	YBG102	YBG202		YBG205	YBG302	YBG152	YBG252	YNG151	YNG151C	YC30S	YD101	YD201
	SEEN1203AFTN	12.7	12.7	3.18	1.8																●				
	SEKN1203AFFN	12.7	12.7	3.18	1.8																				
	SEKN1203AFN	12.7	12.7	3.18	1.8	○																	●	○	
	SEKN1203AFTN	12.7	12.7	3.18	1.8	●			●	●											●	○	●	○	
	SEKN1504AFN	15.875	15.875	4.76	1.6	○																		○	○
	SEKN1504AFTN	15.875	15.875	4.76	1.6	●		●	●		●												○		
	SEKR1203AFN	12.7	12.7	3.18	1.8	●	○							●											
	SEKR1504AFN	15.875	15.875	4.76	1.6																				

● Ex Stock / ab Lager ○ On demand / auf Anfrage

Recommended cutting data · Empfohlene Schnittdaten

	Workpiece material Werkstückstoff	Hardness HB Härte	Grade Sorte	Cutting data Schnittdaten	
				V (m/min)	f (mm/z)
P	Low-carbon steel Soft steel Niedriglegierter Kohlenstoffstahl Baustahl	≤180	YNG151	430 (340-500)	0.2 (0.1-0.4)
			YBM251 YBC301	270 (220-350)	0.2 (0.1-0.4)
			YBM351	220 (180-300)	0.25 (0.15-0.3)
			YBG202 YBG205	270 (200-360)	0.2 (0.1-0.3)
			YC30S	140 (100-220)	0.27 (0.1-0.4)
	High-carbon steel Alloy steel Hochleg. Kohlenstoffstahl	180-280	YNG151	400 (320-480)	0.2 (0.1-0.4)
			YBM251 YBC301	240 (200-320)	0.2 (0.1-0.4)
			YBM351	200 (160-280)	0.25 (0.15-0.3)
			YBG202 YBG205	240 (180-350)	0.2 (0.1-0.3)
			YC30S	120 (80-200)	0.27 (0.1-0.4)
	Alloy tool steel Leg. Werkzeugstahl	280-350	YNG151	350 (300-450)	0.2 (0.1-0.4)
			YBM251 YBC301	220 (180-300)	0.2 (0.1-0.4)
			YBM351	180 (150-250)	0.25 (0.15-0.3)
			YBG202 YBG205	220 (170-340)	0.2 (0.1-0.3)
			YC30S	100 (60-180)	0.27 (0.1-0.4)
M	Stainless steel Rostfreier Stahl	≤270	YNG151	220 (160-280)	0.2 (0.1-0.4)
			YBM251	130 (100-220)	0.2 (0.1-0.4)
			YBM351	140 (100-240)	0.25 (0.15-0.3)
			YBG202 YBG205	140 (100-250)	0.2 (0.1-0.3)
			YBG102	210 (120-300)	0.2 (0.1-0.3)
K	Cast iron Gusseisen	180-250	YBD252	200 (150-250)	0.2 (0.1-0.4)
			YD201	100 (80-160)	0.25 (0.1-0.4)